



**Houston High School**  
**Agriculture, Food & Natural Resources**  
**Career Cluster Program of Study Template**  
 www.houston.k12.mo.us

<b>Minimum Graduation Requirements</b>	<b>SUGGESTED COURSE OF HIGH SCHOOL STUDY</b> It is suggested that students consider dual credit, articulation, or advanced placement opportunities for postsecondary credit.
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	Grade	English	Math	Science	Social Studies	Required Courses, Elective Options	Houston High School Career Ed Programs	Additional Learning Opportunities
Secondary	9	English I	Pre-Alg OR Algebra I	Integrated Science	American Fundamentals	PE / Health Fine Arts	Ag Science I	<b>School-Based:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Other: _____
	10	English II	Algebra I OR Algebra II	Biology	American History		Ag. Science II	<b>Community Based:</b> <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment <input type="checkbox"/> Other: _____
	11	English III	Geometry OR Algebra II	Chemistry I OR Earth Science OR Anat. & Phys. OR	Government	Personal Finance	Ag. Construction Animal Science Conservation Forestry	<b>Assessments/Certifications:</b> <input type="checkbox"/> Technical Skills Attainment (TSA) <input type="checkbox"/> Other: _____
	12	Choice of: College Prep Eng Dual Credit English English 4	Trig OR Dual Credit Algebra Advanced Algebra Calculus	Dual Credit Bio Chemistry II Zoology Physics	Psychology Sociology WWII Holocaust Dual Credit History	Students as Tutors	Ag Power Landscaping Ag Comm & Leadership	<b>Placement Assessments:</b> <input type="checkbox"/> Compass Test <input type="checkbox"/> PLAN <input type="checkbox"/> ACT <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> ASVAB <input type="checkbox"/> WorkKeys <input type="checkbox"/> Other: _____
								<b>Student Organizations:</b> <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FFA <input type="checkbox"/> FCCLA <input type="checkbox"/> SkillsUSA <input type="checkbox"/> Other: _____

**Postsecondary Offerings – For A Complete Listing, go to [www.missouriconnections.org](http://www.missouriconnections.org)**

Postsecondary	Community College	Technical School/Training Institution	In State		Out of State/Other
	Crowder College <a href="http://www.crowder.edu">www.crowder.edu</a>	Columbia Area Career Center <a href="http://www.career-center.org">www.career-center.org</a>	A.T. Skill University of Health Sciences <a href="http://www.atsu.edu">www.atsu.edu</a>	Missouri Western State University <a href="http://www.missouriwestern.edu">www.missouriwestern.edu</a>	<ul style="list-style-type: none"> <li>• Apprenticeship</li> <li>• Military</li> <li>• On-the-Job Training</li> </ul> Petropolis Academy of Grooming & Training - <a href="http://www.petropolisacademy.com">www.petropolisacademy.com</a> Midwest Institute <a href="http://www.midwestinstitute.com">www.midwestinstitute.com</a>
	East Central College <a href="http://www.eastcentral.edu">www.eastcentral.edu</a>	Davis Hart Career Center <a href="http://www.mexicoschools.net">www.mexicoschools.net</a>	Avila University - <a href="http://www.avila.edu">www.avila.edu</a>	Northwest Missouri State University <a href="http://www.nwmissouri.edu">www.nwmissouri.edu</a>	
	Jefferson College <a href="http://www.jeffco.edu">www.jeffco.edu</a>	Eldon Career Center <a href="http://www.eldoncareercenter.org">www.eldoncareercenter.org</a>	Central Methodist University <a href="http://www.centralmethodist.edu">www.centralmethodist.edu</a>	Park University - <a href="http://www.park.edu">www.park.edu</a>	
	Linn State Technical College <a href="http://www.linnstate.edu">www.linnstate.edu</a>	Hannibal Career and Technical Center <a href="http://www.hannibal.tec.mo.us">www.hannibal.tec.mo.us</a>	College of the Ozarks - <a href="http://www.coto.edu">www.coto.edu</a>	Rockhurst University - <a href="http://www.rockhurst.edu">www.rockhurst.edu</a>	
	Metropolitan Community College <a href="http://www.mcckc.edu">www.mcckc.edu</a>	Kirkville Area Tech Center <a href="http://www.kirkville.k12.mo.us">www.kirkville.k12.mo.us</a>	Columbia College - <a href="http://www.ccis.edu">www.ccis.edu</a>	Saint Louis University <a href="http://www.imagine.stu.edu">www.imagine.stu.edu</a>	
	Mineral Area College <a href="http://www.mineralarea.edu">www.mineralarea.edu</a>	Moberly Area Tech Center <a href="http://www.moberly.k12.mo.us">www.moberly.k12.mo.us</a>	Culver-Stockton College <a href="http://www.culver.edu">www.culver.edu</a>	Southeast MO State University <a href="http://www.semo.edu">www.semo.edu</a>	
	North Central Missouri College <a href="http://www.ncmissouri.edu">www.ncmissouri.edu</a>	Ranken Tech College <a href="http://www.ranken.edu">www.ranken.edu</a>	Drury University - <a href="http://www.drury.edu">www.drury.edu</a>	Southwest Baptist University <a href="http://www.sbniv.edu">www.sbniv.edu</a>	
	Ozarks Technical Community College <a href="http://www.otc.edu">www.otc.edu</a>	Waynesville Technical Academy <a href="http://www.waynesville.k12.mo.us">www.waynesville.k12.mo.us</a>	Evangel University - <a href="http://www.evangel.edu">www.evangel.edu</a>	Stephens College - <a href="http://www.stephens.edu">www.stephens.edu</a>	
	St Louis Community College <a href="http://www.stlcc.edu">www.stlcc.edu</a>		Fontbonne Univ - <a href="http://www.fontbonne.edu">www.fontbonne.edu</a>	Truman State Univ - <a href="http://www.truman.edu">www.truman.edu</a>	
State Fair Community College <a href="http://www.sfccmo.edu">www.sfccmo.edu</a>		Hannibal-Lagrange College - <a href="http://www.hlg.edu">www.hlg.edu</a>	Univ of Central MO - <a href="http://www.ucmo.edu">www.ucmo.edu</a>		
Three Rivers Community College <a href="http://www.trcc.edu">www.trcc.edu</a>		Lindenwood University <a href="http://www.lindenwood.edu">www.lindenwood.edu</a>	University of MO – Columbia <a href="http://www.missouri.edu">www.missouri.edu</a>		
		Maryville University of St. Louis <a href="http://www.maryville.edu">www.maryville.edu</a>	University of MO – Kansas City <a href="http://www.umkc.edu">www.umkc.edu</a>		
		Missouri Baptist Univ - <a href="http://www.mobap.edu">www.mobap.edu</a>	Univ of MO – St Louis - <a href="http://www.umsi.edu">www.umsi.edu</a>		
		MO Southern State University <a href="http://www.mssu.edu">www.mssu.edu</a>	Washington University - <a href="http://www.wustl.edu">www.wustl.edu</a>		
		Missouri State University <a href="http://www.missouristate.edu">www.missouristate.edu</a>	Webster University <a href="http://www.websteruniv.edu">www.websteruniv.edu</a>		
		Missouri State University – West Plains <a href="http://www.wp.missouristate.edu">www.wp.missouristate.edu</a>	Westminster College <a href="http://www.westminster-mo.edu">www.westminster-mo.edu</a>		
		MO Univ of Science & Technology <a href="http://www.mst.edu">www.mst.edu</a>	William Jewell College - <a href="http://www.jewell.edu">www.jewell.edu</a>		
		Missouri Valley College <a href="http://www.moval.edu">www.moval.edu</a>	William Woods University <a href="http://www.williamwoods.edu">www.williamwoods.edu</a>		

**Sample Careers By Educational Level – For Occupational Specialties, go to [www.careerclusters.org](http://www.careerclusters.org) or [www.missouriconnections.org](http://www.missouriconnections.org)**

On-The-Job Training or Less	Technical Training or Associate Degree	Bachelors Degree	Masters Degree or More
Animal Caretakers Animal Trainers Bakers Commercial Fishers Farm and Ranch Workers Farm Equipment Mechanics Farmers Food Processing Workers Log Graders and Scalers Loggers Meat Cutters Mining Machine Operators Nursery Workers Rock Splitters Trash Collectors Veterinary Assistants Water Treatment Plant Operators	Fish and Game Wardens Forestry Technicians Precision Agriculture Technicians	Agricultural Engineers Agricultural Scientists Animal Scientists Conservation Scientists Farm and Home Management Advisors Food Scientists Foresters Park Naturalists Zoologists	Agricultural Sciences Teachers, Postsecondary Animal Scientists Farm and Home Management Advisors Veterinarians Zoologists and Wildlife Biologists